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## ABSTRACT

The 12 activities for a science careers curriculum are briefly outlined in the introductory section of the document and involve writing, discussion, films, research, interviews, reading assignments, field trips, and speakers. The body of the document consists of: a list of careers related to science and technology, science career-related cassette tapes and references available in the Hanley Library, a career questionnaire, a newspaper article on the employment outlook for scientific careers, a 12-page list of science-related career guidance publications, addresses for science associations, and a sample of a job application. (JB)

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# Student Activities for Science Careers



U. City, Mo. School District

U.S. DEPARTMENT OF HEALTH  
EDUCATION & WELFARE  
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08-003890

STUDENT ACTIVITIES FOR SCIENCE CAREERS CURRICULUM

June, 1972  
Elaine A. Alexander  
Hanley Junior High School

## Student Activities for Science Careers Curriculum

1. Each of you will be given a short article dealing with some area of science (from either magazine or newspaper). You will be allowed to choose an article which is of interest to you if possible. Each of you will be asked to list all of the careers that you can think of that are involved in the article after reading it. Your list should include both careers of persons discussed in the article as well as those of persons responsible for writing the article. You will be asked to pick one career from your list and tell others in your class what you think that person does. In other words, in a circle discussion, you will be asked to tell us what a person who has that particular career does in his job.
2. The film 'How a Scientist Works' describes how a wildlife scientist in Northern Montana solves a problem which has to do with managing a population of geese. You will be asked to react to the film in an open discussion, in terms of what specific personal traits a scientist must possess. Positive traits of the 'scientist' will be listed on the overhead projector as they are mentioned and then summarized at the end of the period.
3. You will be given a list of 'careers in science' and asked to choose one career that you would like to find out more about. You will also be given 2 lists of resource material in our Hanley library (career books and cassette tapes). You will be asked to choose one tape or book (if tape is not available) and find out more about the particular career that you have chosen. Each of you will be asked to fill out a questionnaire including many of the points made on the tape or in the book. The questionnaire will include items such as job responsibilities, educational requirements, etc.
4. You will be asked to listen to one tape about a career related to science and one tape about any other career you might choose. The same questionnaire used in #3 will also be used to summarize the two tapes. The list of tapes in the library is marked so that you will know which careers are related in some way to science and which are not. If you listened to a tape for #3 above, then you may use that questionnaire to fulfill the first part of #4.
5. You will be asked to make up a series of 20 questions which you would think appropriate to ask a person who is involved in the science career of your own choosing. You will be able to pick whatever career you would like to interview. Then you will be asked to find someone who is involved in that career at the present time, make an appointment with that person for an interview, and then actually carry out the interview with that individual. Both questions and answers will be turned in after the interview.
6. You will be asked to read the newspaper article 'Hiring of Scientists Up Slightly' from the Post-Dispatch (6/15/72). After having read the article, you will be asked to write a short paper discussing the pros and cons of a career in science at the present time. Put yourself in the place of

## Student Activities for Science Careers Curriculum (continued)

a person interested in some area of science as a career and discuss your feeling about your future possibilities.

7. You will be given a list of free publications available which describe various careers in science and asked to write a letter requesting one publication dealing with the area in which you are most interested. After you have received and read the publication, I will ask each of you what you learned by reading it.
8. You will watch the film 'Your Job, Finding the Right One' and write a follow-up paper (of approximately one page) discussing your own personal characteristics or traits and what types of careers you might be best suited for as a result of these characteristics.
9. Each of you will watch the film 'Your Job, Applying For It' and be prepared to discuss the qualities which you think a future employer would look for in you. Pretend you are going to apply in person for a job tomorrow and list all of the things that you would want to do and remember as you prepared to keep that date. You will be asked to fill out a typical application form for a job and any problems which you have will be discussed and solved in class so that by the end of the period you should be able to fill out the form without much problem.
10. Several films from County AV manage to tell the story of their particular profession clearly and in an up-to-date manner. Each of you will be asked to watch one of the following five films during your study hall on an elective basis. The films are: 'Oceanography, the Study of the Oceans', 'What Ecologists Do', 'Weatherman as a Scientist', 'Camera and Careers', and 'Excellence By Design' (from McDonnell Air-Craft Corporation). After watching the film you will be asked to write a page reacting to the career portrayed in the film either favorably or unfavorably giving reasons for your choosing or not choosing that career.
11. Trips have been planned to the Arboretum, Planetarium, Zoo, and a Chemical Plant to listen to and see what scientists do. A botanist-education specialist from the Arboretum, an astronomer from the planetarium, keepers of the aquatic house and lion house at the zoo, and a chemist at the chemical plant will talk about what they do and show you as much of their particular 'work environment' as they are able to show.
12. The following areas will be covered by speakers who will come to the school to talk about their particular career:
  - Teacher from Mo. School for Dr. Assistants and Technicians
  - Computer programmer
  - Missouri conservation agent
  - National Park Ranger
  - Nurse
  - Geologist

## Careers Related to Science & Technology

**Agricultural Engineer** (production and processing of food, farm equipment, soil and water.)

**Farmer**

**Florist**

**Horticulturist** (dealing with plants, landscaping, pest control and food processing)

**Anthropologist** (studies ancient civilizations)

**Archaeologist** (digs up and studies old relics of past civilizations)

**Architect** (designs homes, buildings, etc.)

**Astronomer** (studies the stars, planets, etc.)

**Atomic Scientist** (works with atomic energy)

**Pilot**

**Stewardess**

**Space Scientist**

**Aerospace Engineer** (designs and builds space ships, rockets, etc.)

**Astronaut**

**Biologist** (studies all living things)

**Ecologist** (studies living things and how they relate to their environment)

**Microbiologist** (studies microscopic plants and animals)

**Fishery Biologist** works specifically with fish)

**Wildlife Biologist** (studies relationship of wildlife populations to their environment)

**Chemist**

**Conservationist** (works outdoors to conserve our natural resources)

**Park Ranger**

**Dentist**

**Dental Hygienist** (cleans teeth only)

Careers Related to Science & Technology (continued)

Dietitian (plans meals for hospitals, schools, etc.)

Computer Scientist (works with computers)

Engineer

Forester (works in forest management, cutting and planting trees)

Nurseryman (grows and sells plants and trees)

Landscaper (designs outdoor areas similar to way architect plans indoor areas)

Geologist (studies rocks and minerals)

Home Economist (may be related to foods, textiles, home management, family relationships, etc.)

Draftsman (draws plans for machines, buildings, etc.)

Mathematician

Statistician (works with statistics)

Doctor (M.D. who treats some part of the body or all of it)

Registered Nurse (male or female)

Medical Research Scientist

Medical Technologist (performs medical tests)

Laboratory Technician (performs lab tests on blood, urine, etc.)

Optometrist (tests and fits people for glasses)

Opthomologist (eye doctor)

Surgeon (performs operations)

Radiologist (interprets X-rays)

X-ray technician (takes X-rays)

Physiologist (studies chemistry of the body)

Psychiatrist (treats mental or emotional problems)

Physical Therapist (teaches handicapped people to use hands, arms, legs, feet again)

Hospital Orderly (men who assist nurses with heavy hospital work)

Hospital Attendants (women who assist nurses)



Careers Related to Science & Technology (continued)

Practical Nurse (assist registered nurses in hospital)

Meteorologist (studies patterns of weather)

Weatherman (reports the weather)

Mining Engineer (manages the mining of coal, copper, etc.)

Oceanographer (studies ocean currents, animals, etc.)

Pharmacist (prepares and sells drugs)

Photographer

Physicist (deals with science of physics)

Electronics Technician (fixes TV, radio, etc.)

Science Teacher

Math Teacher

Technical Writer (writes scientific articles)

Veterinarian (doctor for animals)

Anesthetist (registered nurse who gives anesthesia to put people to sleep  
before an operation)

Medical Secretary (in hospital or doctors office)

# Career Cassette Tapes in Hanley Library

CAS-GD-9 Career Development

Science careers are \*

Side I  
\* Electrician

Side II  
\* Dentist

CAS-GD-10 Career Development

Side I  
Fashion Model

Side II  
Actor

CAS-GD-11 Career Development

Side I  
\* Stewardess

Side II  
Buyer

CAS-GD-12 Career Development

Side I  
\* Police Woman

Side II  
\* Dental Hygienist

CAS-GD-13 Career Development

Side I  
\* Computer Programmer

Side II  
\* Veterinarian

CAS-GD-14 Career Development

Side I  
Account Executive

Side II  
Radio Broadcaster

CAS-GD-15 Career Development

Side I  
Business Consultant

Side II  
Salesman

CAS-GD-16 Career Development

Side I  
Minister

Side II  
Personnel Counselor

CAS-GD-17 Career Development

Side I  
\* Research Scientist

Side II  
\* Pharmacist

CAS-GD-18 Career Development

Side I  
High School Teacher

Side II  
\* Technical Writer

CAS-GD-19 Career Development

Side I  
Court Reporter

Side II  
Telephone Operator

Career Cassette Tapes in Hanley Library (continued)

CAS-GD-20	Career Development	
	Side I	Side II
	*Physician	* Dietician
CAS-GD-21	Career Development	
	Side I	Side II
	* Medical Technologist	* Physical Therapist
CAS-GD-22	Career Development	
	Side I	Side II
	* Commercial Pilot	Professor
CAS-GD-23	Career Development	
	Side I	Side II
	Banker	Cost Analyst
CAS-GD-24	Career Development	
	Side I	Side II
	Editor	Librarian
CAS-GD-25	Career Development	
	Side I	Side II
	Commercial Artist	Theatrical Agent
CAS-GD-26	Career Development	
	Side I	Side II
	Secretary	Social Worker
CAS-GD-27	Career Development	
	Side I	Side II
	* Park Director	Reporter
CAS-GD-28	Career Development	
	Side I	Side II
	Cosmetologist	* Nurse
CAS-GD-29	Career Development	
	Side I	Side II
	* Forester	Military Personnel
CAS-GD-30	Career Development	
	Side I	Side II
	Lawyer	*Architect

Career Cassette Tapes in Hanley Library (continued)

CAS-GD-31	Career Development.	
	Side I Waiter/Restaurant Manager	Side II Stockbroker
CAS-GD-32	Career Development	
	Side I * Electronic Assembler	Side II * Auto Mechanic
CAS-GD-33	Career Development	
	Side I Record Producer	Side II * Photographer
CAS-GD-34	Career Development	
	Side I Teaching Assistant	Side II * Tool and Die Maker
CAS-GD-35	Career Development	
	Side I Golf Professional	Side II * Fireman
CAS-GD-36	Career Development	
	Side I Accountant	Side II Insurance Salesman
CAS-GD-37	Career Development	
	Side I * Civil Engineer	Side II * Electronic Technician
CAS-GD-38	Career Development	
	Side I Realtor	Side II Driver/Salesman

## Career References in Hailey Library

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371.42 Guidance. Garden City, New York, Doubleday, c. 1967.  
H77  
v. 1-2
- O16.331 Forrester, Gertrude. Occupational Literature, New York. Wilson,  
F c. 1964.
- O16.37 Career Information Service, New York Life Insurance Co. Guide to  
N42 Career Information. New York, Harper, c. 1957.

### ENCYCLOPEDIAS

- R Collier's Encyclopedia, vol. 12, New York, Crowel-Collier, c.  
O30 1969, pages 758-767 (listed under Industrial Relations).  
c69  
v. 12
- R Compton's Encyclopedia, vol. 23, Chicago, Compton, c. 1969 pages  
O30 359-376 (listed under vocations).  
C73  
v. 23
- R New Book of Knowledge, vol. 19, New York, Grolier, c. 1969 pages  
O30 373-374 (listed under vocational guidance and counseling).  
K76  
v. 19
- R The World Book Encyclopedia, vol. 19, Chicago, Field, c. 1969,  
O30 pages 340-355 (listed under vocational guidance).  
W89  
v. 19

### COLLEGE

- 371.8 Engeman, Jack. College: The Life of a Student. New York,  
En3 Lothrop, Lee and Shepard, c. 1959.
- 371.42 Splaver, Sarah. Your Career If You're Not Going to College. New  
S York, Messner, c. 1963.

### CAREER BOOKS

#### Anthropologist

- 570.23 Mead, Margaret. Anthropologists and What They Do. New York,  
M Watts, c. 1965.

## Career References in Hanley Library (continued)

### Architect

331.7      McLaughlin, Robert W. Architect: Creating Man's Environment.  
M22      New York, Macmillan, c. 1962

### Farmer

630      Bethers, Ray. Perhaps I'll Be a Farmer. New York, Aladdin,  
B46      c. 1950.

### Forester (Conservationist)

634.9      Hanaburgh, David H. Your Future in Forestry. New York, Rosen,  
H      c. 1961.

333.7      Neal, Harry Edward. Nature's Guardians. New York, Messner,  
N25      c. 1956.

### Home Economist

640      Spencer, Lila. Exciting Careers for Home Economists. New York,  
Sp3      Messner, c. 1967.

### Industrial Worker

371.42      Groneman, Chris H. Exploring the Industries. Austin, Texas,  
G89      Steck, c. 1962.

331.86      Kursh, Harry. Apprenticeships in America. New York, Norton,  
K96      c. 1965.

### Law Enforcement Officer

350.74      Crump, Irving. Our State Police. New York, Dodd, Mead, c. 1955.  
C88

327      Dulles, Allen. The Craft of Intelligence. Evanston, Indiana,  
D88      Harper, c. 1963.

351.7      Ransom, Harry Howe, Central Intelligence and National Security.  
R17      Cambridge, Mass., Harvard University Press, c. 1958.

### Military Service

355.2      Harwood, Michael. The Student's Guide to Military Service. New  
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Medicine

- 610.69 N25 Neal, Harry Edward. Disease Detectives. New York, Messner, c. 1968.
- 610.69 N Nourse, Alan E. So You Want to Be a Doctor. Indiana, Harper, c. 1957.
- 610.69 L51 Lee, Russel V., Sara Eimerl and the Editors of Life. The Physician New York, Time, c. 1967.

Pilot

- 629.13 Scr6 Scribner, Kimball J. Your Future as a Pilot. New York, Rosen, c. 1968.

Scientist (Practical and Pure)

- 530.023 B41 Bell, Raymond M. Your Future in Physics. New York, Rosen, c. 1967.
- 551.5 B Berry, Frederic and Sidney R. Frank. Your Future in Meteorology. New York, Rosen, c. 1962.
- 551.4 G11 Gaber, Norman H. Your Future in Oceanography. New York, Rosen, c. 1967.
- 551.4 K84 Kovalik, Vladimir and Nada. The Ocean World. New York, Holiday, c. 1966.
- 506.9 N85 Nourse, Alan E. So You Want to be a Scientist. New York, Harper, c. 1960.
- 530.69 N85 Nourse, Alan E. So You Want to be a Physicist. New York, Harper, c. 1963.

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- 651.8 Seligsohn, I.J. Your Career in Computer Programming. New York,  
Se4 Messner, c. 1967.
- 539.7 Thompson, William E., Jr. Your Future in Nuclear Energy Fields,  
T New York, Rosen, c. 1961.
- 620.023 Wachs, Theodore, Jr. Careers in Engineering. New York, Walck,  
W c. 1964.
- 551.023 Weitz, Joseph L. Your Future in Geology. New York, Rosen,  
W c. 1966.

Stewardess

- 387.7 Engeman, Jack. Airline Stewardess. Lothrop, Lee and Shepherd,  
En3 c. 1960.

Teacher

Cushman, Jack. Young Man's View of the Teaching Profession  
American National Red Cross, c. 1961.

Green, John A. Fields of Teaching and Educational Services.  
New York, Harper, c. 1966.

Veterinarian

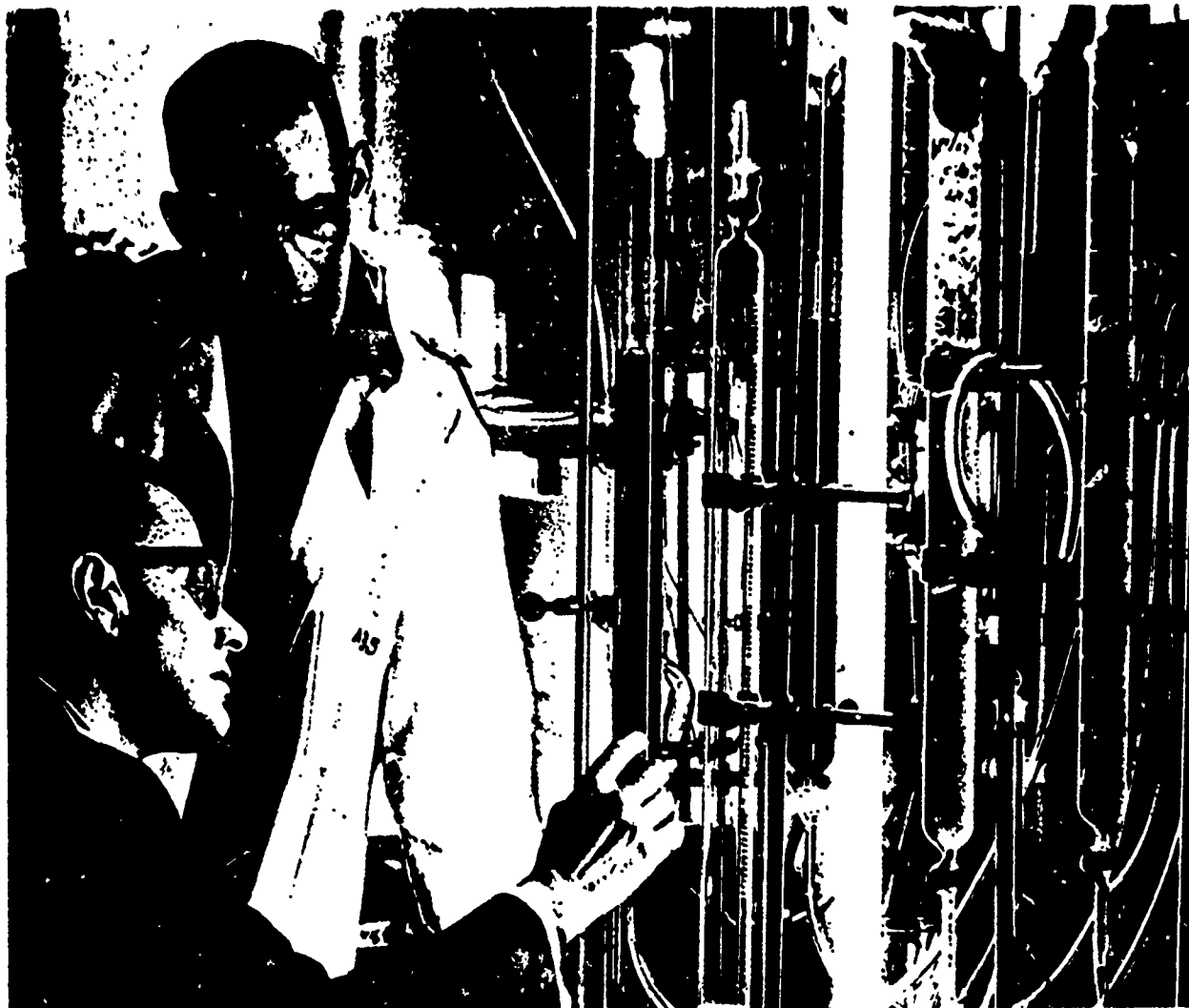
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## Career Questionnaire

Answer as many of the following questions as you are able to answer while you are listening to the tape or reading a resource book from the library.

1. Name of the career that you are interested in finding out more about?  
\_\_\_\_\_
2. What types of jobs are available in this career area? \_\_\_\_\_  
\_\_\_\_\_
3. What type of training or education must one have in order to enter this type of career? \_\_\_\_\_  
\_\_\_\_\_
4. Must you pass a state exam in order to obtain a job in this career area?  
\_\_\_\_\_
5. What personal qualities or traits would be an asset to an individual who was considering this career? \_\_\_\_\_  
\_\_\_\_\_
6. What would the working hours be of a person with a job in this career area? \_\_\_\_\_
7. What sort of working environment would a person with this career have? (outdoors, indoor desk job, etc.) \_\_\_\_\_  
\_\_\_\_\_
8. What types of duties or responsibilities would a person with this career need to fulfill? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
9. What do persons who are now working in this career say about the most exciting or satisfying part of their job? What are the rewards of this career? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. What are some of the drawbacks or hazards to this particular career? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
11. What type of equipment would a person in this career be using as a part of the job? \_\_\_\_\_  
\_\_\_\_\_
12. What would the approximate starting salary be in this career? \_\_\_\_\_
13. Could a person engaged in this career expect to receive regular salary increases? \_\_\_\_\_
14. Are jobs in this career area hard to get or are there many openings available at the present time? \_\_\_\_\_ Will  
this change in the next ten years? \_\_\_\_\_
15. Now that you have found out more about this career, are you still interested in it as a future possible career choice? \_\_\_\_\_



**A GRADUATE SCIENCE STUDENT** at Washington University getting personal instruction from his professor.

Enrollment in science courses has declined at most of the nation's colleges. (Post-Dispatch Photo)

## Hiring Of Scientists Up Slightly

By **WILLIAM K. WYANT JR.**

A Washington Correspondent  
of the Post-Dispatch

WASHINGTON, June 15

**THE GLORIOUS DAYS** of multiple job offers for young scientists are gone, but this will not discourage the really good ones, National Science Foundation Director H. Guyford Stever said today.

"I think the recovery of our economy will ease employment," he said in an interview, "but I don't see any time in the near future when the overabundance of jobs for PhDs will recur."

Stever, 55 years old, former president of Carnegie-Mellon University, referred to the constantly escalating demand for scientists that followed World War II and the post-Sputnik "international race in education."

The wellsprings of money for science are not gushing as abundantly now.

Stever, although not pessimistic, said he did not think the hiring of scientists

for academic jobs would increase at a rapid rate in the next few years. He mentioned the financial troubles of colleges and universities.

"I PERSONALLY THINK we will work ourselves out of this problem," he said. "However, I would not want to pour kerosene on the production fires of PhDs in science at the present time."

The magazine *Science*, published by the American Association for the Advancement of Science, reported in April that the job outlook for fledgling scientists and engineers this June was better than last year but "nothing to do handsprings about."

Chemistry and physics were described as the hardest-hit group. Some physicists were said to have given up the idea of getting a post at a college or university. To an unusual degree they were turning to industry and other types of professional fulfillment.

There has been a decline in enrollments in physics, chemistry and engineering courses. Meanwhile, the pressure for entry into medicine, where a gradu-

ate has no trouble finding work, has increased greatly.

**THE ASSOCIATION** of American Medical Colleges said that one decade ago 15,847 students had applied for 8642 seats at medical schools. In 1972-73, the figure was 35,000 applications for 12,900 seats.

The National Science Foundation, set up by Congress in 1950, is the major instrument for federal support of basic scientific research. In recent years it has been under political pressure to apply scientific knowledge to problem-solving in a way related to achievement of national goals.

For the fiscal year beginning July 1, the foundation is seeking \$853,000,000 from Congress, compared with \$622,000,000 appropriated for this year. Most of that money will go to the universities for basic research involving 7400 faculty scientists and 7000 graduate science students.

The 1973 budget includes also \$80,000,000 for a program called "Research Applied to National Needs." This

# Scientists' Job Shift

## ■ FROM PAGE ONE

work is aimed at applying scientific and engineering talent to problems of national concern.

While increasing its support for students working on research projects, the foundation has been dropping its support for graduate students in the form of traineeships and cutting down its fellowship program.

"THERE ARE TWO REASONS for the dropoff in fellowship and trainee support," Stever said in a speech last month.

"One of these is that many people in government question why science should be singled out from all the other professions and fields for major student support.

"And the other reason is the unemployment and underemployment of scientists. Some ask why we should continue and aggravate the problem by training more scientists."

Among society's newly defined goals, Stever said, could be counted such things as cleaning the environment, stopping the waste of resources, curbing pollution, and improving housing, transportation, education, health care and the like.

STEVE SAID LAW and medicine, like science, were becoming more popular as chosen fields of endeavor because they were professions. They are fields in which a person can be his own boss, and not just part of an organization, he said.

In the interview, he was sympathetic to the problems of higher education as the colleges and universities encounter inflation, a leveling off of financial support, rising costs and a decline in the old confidence that higher education has the answers.

"You have had a dropping away of universal desire and acceptance," he said "Inflation, rising costs, and a drop in endowments.

"THE STEEL INDUSTRY and the university industry can be compared, in terms of the problems they have."

Stever received a doctorate in physics at California Institute of Technology. He served on the faculty of Massachusetts Institute of Technology for more than 20 years. He became president of Carnegie Institute of Technology at Pittsburgh in 1965. Carnegie Tech merged with Mellon Institute in 1967, forming a university with a total endowment of nearly \$120,000,000.

In the mid-1950s, Stever was chief scientist of the Air Force. He is considered an expert on aeronautical engineering and space technology. He has served as a director of United Aircraft Corp., Koppers Co. Inc., and Fisher Scientific Co.

There is nothing in Stever's background to suggest that he is not enthusiastic about applying scientific knowledge to the everyday problems of man.

## CAREER GUIDANCE PUBLICATIONS

### GENERAL

#### The Big Pond - Federal Jobs for Engineers, Physical Scientists, and Mathematicians -

Civil Service Commission

The stories of several individuals who are working for the federal government in these fields.

#### Can I Be a Scientist? - Public Relations Staff, General Motors Corporation

Considerations of a scientific career, background required, and opportunities.

#### Careers in Science - National Bureau of Standards

Trained specialists conduct pure and applied research in the fields of physics, mathematics, chemistry, and engineering at the laboratories of this government installation. 1969. 30 pp.

#### Careers in Science and Engineering - Civil Service Commission

Basic information for people desiring jobs in these fields with the Federal government.

#### Science and Engineering - International Business Machines Corporation

Outlines career opportunities for engineers, scientists, mathematicians, physicists, programmers, chemists, and metallurgists. Includes sections relating to IBM company products, benefits, and working environment.

### AGRICULTURE

#### Choose a Challenging and Rewarding Career in the U.S. Department of Agriculture -

Office of Information, U.S. Department of Agriculture

Facts on opportunities in the Department of Agriculture.

#### Rewarding Careers in a Dynamic Industry - National Association of State Universities and Land-Grant Colleges

The booklet describes careers in farming and related fields. Available from the Dean of Agriculture at land-grant institutions in student's home state. 22 pp.

#### Threads of Life - The National Academy of Sciences, Agricultural Board

Particularly emphasizes the agricultural sciences. Request from agricultural departments of colleges. 1964. 16 pp.

## AGRICULTURE (continued)

### Agricultural Engineering and You - American Society of Agricultural Engineers

Facts about careers in this field, and how one prepares for the profession. 16 pp.

### Opportunities for You in the Florist Industry - Society of American Florists, Executive Director

Career opportunities in floriculture. 12 pp.

## ANTHROPOLOGY AND ARCHAEOLOGY

### Anthropology as a Career - Smithsonian Institution

Pamphlet divided into five parts: areas of anthropology, training, employment, universities, and a reading list in general anthropology and in each of the several fields. Revised. 20 pp.

### Archaeology As a Career - Archaeological Institute of America

J.H. Rowe describes the work and training of the archaeologist. Bibliography revised in 1970. 11 pp. Quantity prices on request.

## ARCHITECTURE

### Designing a Better Tomorrow - American Institute of Architects

The challenges and rewards of a career in this field. Lists accredited schools of architecture and further references.

## ASTRONOMY

### A Career in Astronomy - American Astronomical Society

Gives information on the nature of work involved in contemporary astronomy, the schools having training in this area, and employment opportunities.

## ATOMIC ENERGY

### Careers in Atomic Energy - U.S. Atomic Energy Commission

The various fields of the atomic scientist. Also contains a selected reading list on sources of financial aid to the student. 27 pp.

## AVIATION AND SPACE SCIENCE

### Career Opportunities with the Airlines - Air Transport Association of America

Various career openings with the airlines; basic requirements, personal and educational; salaries; ways to apply for an airline job.

### Educational Opportunities in the Air Force - Local U.S. Air Force Recruiting Offices

A booklet describing educational opportunities open to members of the Air Force.

### Occupational Handbook of the United States Air Force - Local Air Force Recruiting Offices

A vocational manual for guidance counselors and educators, furnishing information on aviator career fields and opportunities for young men and women in the U.S. Air Force. 44 pp. Also available, Your Son's Air Force Life.

### Pocket Guide to Air Force Opportunities - Local U.S. Air Force Recruiting Offices

A pocket-size summary of U.S. Air Force training courses and job specifications with emphasis on technical training courses and job opportunities. 81 pp.

### Your Career as an Aerospace Engineer - American Institute of Aeronautics and Astronautics

Aerospace engineers design and build equipment used in space exploration and more earthbound transportation. Includes a list of schools where programs in aerospace engineering are offered. 21 pp. (Student memberships in AIAA are available too.)

## BIOLOGICAL SCIENCES

### Career Guidance Booklet - American Society of Zoologists

"Careers in Animal Biology," outlining career opportunities in teaching, research, museum work, work with government agencies, etc.

### Careers in Biology - Rochester Institute of Technology

Describes the varied professions in the life sciences, including the prospective salaries and educational preparation. 24 pp.

### Fisheries as a Profession - American Fisheries Society

A career guide for the field of fisheries science.

## BIOLOGICAL SCIENCES (continued)

### Microbiologist -- Food and Drug Administration

Possibilities of assignments with this government agency are described in this booklet. 8 pp.

## CHEMISTRY

### Chemist -- Food and Drug Administration

Some assignments chemists may have in careers with this government agency. 8 pp.

### Chemistry Guidance Leaflet -- University of Missouri at Rolla

Pamphlet describing careers and requirements in chemistry.

### Chemistry and Your Career -- American Chemical Society

A booklet designed to help students at the junior high school level visualize how chemistry affects careers in many areas. Describes the training and background necessary for a career in chemistry. 1969. 20 pp. Single copies free.

### A Dozen Reasons Why Young People Choose Chemical Industry Careers -- Manufacturing Chemists Association, Inc.

4-page flyer.

## CONSERVATION

### Careers in Conservation -- Soil Conservation Society of America

If you like to work outdoors and are interested in serving the needs of our country, this may be the career for you. 12 pp.

### Careers in the National Park Service -- National Park Service

Describes the major programs and employment needs of the Park Service, and answers many questions on procedures to follow in applying. 1968. 31 pp.

### Careers for Women in Conservation -- U.S. Department of Labor, Women's Bureau

The wide range of careers that are available in this field. 1969.

### Careers in Wildlife Conservation and Management -- Wildlife Management Institute

What is involved in wildlife management, required training, and other facts about this career.

### A Wildlife Conservation Career for You -- The Wildlife Society

The wide range of rewarding careers in this field is described in this pamphlet, which also lists sources of further information.



## DENTISTRY

### Careers in Dental Hygiene - American Dental Hygienists' Association

Brochure presenting the facts concerning career opportunities, examination and licensure, and sources of further information.

### Careers in Dentistry - American Dental Association

Facts a future dentist needs to know when considering choosing dentistry as a career. Also available, Dental Students' Register which gives information on enrollment and requirements of dentistry, dental hygiene, dental assistantship, and dental laboratory schools. 19 pp.

### Dental Assisting is an Action Career - American Dental Assistants Association

The functions and activities of this career are outlined.

### Dental Hygiene...A Career with a Future - American Dental Hygienists' Association

Short brochure describing the profession of dental hygiene.

## DIETETICS AND NUTRITION

### Careers in Nutrition - American Institute of Nutrition

Discusses briefly the preparation for a career in nutrition and the many applications of the "science of food."

## ELECTRONIC DATA PROCESSING - COMPUTER SCIENCE

### Analytically Minded? - International Business Machines Corporation

Outlines job opportunities in systems engineering with emphasis on IBM. 32 pp.

### Computer Science at State Universities and Land-Grant Colleges - National Association of State Universities and Land-Grant Colleges

This publication provides a brief overview of activities in computer science at state universities and land-grant institutions. It includes information about career and study opportunities in the computer field. 1967. 22 pp.

### The Programmers - International Business Machines Corporation

Provides a concise description of programming, what a programmer does, and how he accomplishes this task in the two main areas of applications and systems. IBM locations are outlined, as well as educational requirements and IBM company benefits.



## ENGINEERING

### Can I Be an Engineer? - Public Relations Staff, General Motors Corporation

An outline of what engineers do, precollege courses, and the opportunities for engineering graduates. 19 pp.

### Careers in Engineering - Purdue University, Office of the Dean of Engineering

A booklet that tells what engineering is and what engineers do. It describes the profession of engineering and the qualifications and educational requirements of a successful engineer. It is aimed at providing sufficient information so that one can decide for himself whether he wants to prepare for a career in engineering, including what should be studied in high school and the various options one has in college.

### Does Engineering Appeal to You? - American Society for Metals

A brief introduction to metallurgical engineering and its expanding opportunities. Free in quantities for high school students.

### Engineering and Applied Science - Columbia University School of Engineering and Applied Science

This booklet describes the program at Columbia University and provides much information about careers in engineering and applied science.

### Engineering: A Career of Opportunity - National Society of Professional Engineers

Helps students develop and answer questions about their interest in, and fitness for, a career in engineering. 14 pp.

### Engineering: Creating a Better World - Engineers' Council for Professional Development

Answers such questions as: What is an engineer? What does an engineer do? Who can become an engineer? 20 pp.

### Why Not Be an Engineer? - U.S. Department of Labor, Women's Bureau

Information about the opportunities in this field for women.

## FORESTRY

### Ask Any Forester - Society of American Foresters

Describes the rewards and opportunities of a career in the forestry profession. 15 pp.

## FORESTRY (continued)

### Career Opportunities in the Nursery Industry - American Association of Nurserymen

Gives information on the nature of the work, career opportunities, types of operations and schools and curriculum. Enclose a stamped, self-addressed envelope with your request.

### A Job with the Forest Service - U.S. Department of Agriculture, Forest Service

A pamphlet describing non-professional employment possibilities in the U.S. Forest Service. 1970.

## GEOLOGICAL SCIENCES

### Geology-Earth Science - University of Missouri-Rolla

The program at this school is featured in this description of careers in geology.

### Geophysics - University of Missouri-Rolla

Careers in the field of geophysics, with emphasis on the curriculum at this school.

## HOME ECONOMICS

### Careers in Home Economics - American Home Economics Association

Miscellaneous career booklets on home economics, including careers in nutrition and textiles. Special series of pamphlets "The Wonderful World of Home Economics."

## INDUSTRIAL

### American Paper Institute - What's So Special About Paper?

Outlines the various types of job possibilities in the paper industry and lists some scholarships available. Also lists colleges giving specialized training in papermaking.

### General Motors Corporation - Can I Be a Craftsman?

General Motors program for developing skilled craftsmen. 21 pp.

### General Motors Corporation - Can I Be a Draftsman?

A description of opportunities for draftsmen and preparation for employment. 13 pp.

### International Business Machines Corporation - The Problem Solvers

Outlines job opportunities in business administration, engineering, system engineering, customer engineering, science, marketing, programming.

## INDUSTRIAL (continued)

research, and finance, as well as general information about IBM.

## MATHEMATICS

### Careers in Mathematics - Rochester Institute of Technology

Describes the several fields and professional opportunities for the mathematics major. 1969. 20 pp.

### Careers in Statistics - American Statistical Association

Brochure designed to provide information about statistical careers for students, teachers, guidance counselors, and educational organizations. Gives detailed description of meaning of statistics, work of statisticians, kind of education needed, and salary information. 23 pp. Limited quantities. Second edition. 1963.

### How About a Career with Mathematics - The Mathematical Association of America

If you like math, you'll be interested in the many ways you can make a career of it. 1965. 8 pp.

## MEDICINE AND HEALTH

### The Opportunities and Rewards of Medicine Can Be Yours - American Medical Association

Medicine promises a future to students of various talents. There is room in the profession for almost every type of interest and study including athletics, education, and astronautics. 8 pp.

### Decision for Research - American Heart Association

Discusses meaning of research, training needed to work in the field, and work at a research center after college. 8 pp. Request from the local chapter of the Heart Association.

### Why Not Be a Medical Technologist? - U.S. Department of Labor, Women's Bureau

What medical technologists do and what to expect from this career.

### Your Career Opportunities in Medicine - Charles Pfizer & Company, Inc., Educational Services Department

Provides information on careers in medicine, educational requirements, and a list of medical schools in the United States. 31 pp.

## MEDICINE AND HEALTH (continued)

### Do You Want to Be a Nurse? - National League for Nursing

Preparation and career opportunities in nursing.

### Why Not Be an Optometrist? - U.S. Department of Labor, Women's Bureau

What optometrists do and what to expect from this career.

### The Career for You - Physical Therapy - American Physical Therapy Association

The satisfactions of a career in this profession. Career Facts, also available, describes the physical therapist's job and requirements.

### Consider Physiology - The American Physiological Society

Answers the question "What is a physiologist?" and discusses the advantages and challenges of working in this field.

### Careers in X-Ray Technology - The American Society of Radiologic Technologists

Discusses the need for radiologic technologists. Reviews the training required and the duties one might encounter in this career.

### Health Education as Your Career - American Association for Health, Physical Education and Recreation

Pamphlet discusses opportunities in health education, the work, salary, courses of study at college, advantages of such a career.

### Today's Hospital - Career Center for America's Youth - American Hospital Association

Career opportunities in hospitals, the types of people needed, educational requirements. 1970. 8 pp.

### Your Career Opportunities in Hospitals - Charles Pfizer & Company, inc., Educational Services Department

Career information for those interested in applying for the various hospital jobs not held by physicians. 35 pp.

## METEOROLOGY

### Career Guidance and Educational Material on Meteorology - American Meteorological Society

Literature on careers in meteorology as the science of the atmosphere. Material includes career booklet The Challenge of Meteorology, listing of colleges having degree programs in meteorology, and a selective bibliography on meteorology and teaching aids.

## MINING

### Going Places in Oil - American Petroleum Institute

Sixteen young men and women in their twenties who hold key jobs in the petroleum industry discuss their work and the way they feel about it. Some of the industry's many different job classifications are included, as well as brief descriptions of the main divisions of the industry. 24 pp. One per student; limited quantities for guidance counselors or teachers.

### Penetrating New Frontiers with Minerals Engineers - Society of Mining Engineers of AIME

Geologists, mining engineers, and metallurgists have a variety of careers in this field.

## OCEANOGRAPHY

### Careers in Oceanography - U.S. Naval Oceanographic Office

A short description of the many areas of oceanography that are open to qualified persons. 1965. 8pp.

## PHARMACY

### A Career in Pharmacology - American Society for Pharmacology and Experimental therapeutics

Information on such subjects as: What is pharmacology, what does pharmacology offer, and how to enter this profession.

### See Your Future in Pharmacy - American Pharmaceutical Association

Pamphlet discusses pharmacy in general, personal qualifications of a pharmacist, education, licensing and registration, opportunities in the various areas of pharmacy, and gives a list of accredited colleges of pharmacy. 16 pp.

### What Is a Pharmacist? - Upjohn Company

Emphasizes careers in the pharmaceutical industry for people with degrees in pharmacy or related sciences.

### Why Not Be a Pharmacist? - U.S. Department of Labor, Women's Bureau

What pharmacists do and what to expect from this career.

## PHOTOGRAPHY

### Photography in Your Future - Eastman Kodak Company

This booklet discusses photography's important role in today's way of

## PHOTOGRAPHY (continued)

life and the serious consideration it deserves by all young people planning for the future.

## PHYSICS

### Physics as a Career - American Institute of Physics

Discusses physics as a science and as a profession, physicists in industry, teaching, and the federal government; the training of the physicist, and physics organizations and publications. 1970. 20 pp. Slight cost for 10 or more copies.

## RADIO AND ELECTRONICS

### The Electronics Service Technician - Futures Unlimited - Electronic Industries Association

Career possibilities in radio and television service. Also available: Routes Into the Future, a list of schools offering consumer electronics servicing courses. 1970.

### How to Choose a Career in Electronics - Bell & Howell Schools

Discussion of career opportunities in a wide variety of electronics fields; outline of growing demand for technicians and available areas of specialization. 1970. 36 pp.

## TEACHING

### A Career for You as a Science Teacher - National Science Teachers Association

Booklet discusses the rewards and challenges of science teaching, the preparation required, and the advantages of such a career. Also lists sources of further information. 1966. 24 pp.

### Mathematics Teaching as a Career - National Council of Teachers of Mathematics

A leaflet discussing the questions which students ask about careers in teaching mathematics. 8 pp.

## TECHNICAL WRITING

### Technical Writing as a Career - Society of Technical Writers and Publishers

Deals with the following questions: Why be a technical writer? How big is the field? What are the salaries? Where is technical writing done?

### TECHNICAL WRITING (continued)

What kind of education is needed? What is the future of technical writing? 13 pp.

Why Not Be a Technical Writer? - U.S. Department of Labor, Women's Bureau  
Information about the opportunities in this career area.

### VETERINARY MEDICINE

Career Facts about Veterinary Medicine - American Veterinary Medical Association

Answers these questions: What does the veterinarian do? What training is available? What qualifications are needed?

Today's Veterinarian - American Veterinary Medical Association

Qualities needed by a person who enters this profession, and a list of colleges which have this curriculum.

## ADDRESSES

Air Transport Association of America  
1000 Connecticut Ave., N.W.  
Washington, DC 20036

American Anthropological Association  
1703 New Hampshire Ave., N.W.  
Washington, DC 20009

American Association for the  
Advancement of Science  
1515 Massachusetts Ave., N.W.  
Washington, DC 20005

American Association for Health, Physical  
Education and Recreation\*  
1201 16th St., N.W.  
Washington, DC 20036

American Association of Museums  
2306 Massachusetts Ave., N.W.  
Washington, DC 20008

American Association of Nurserymen  
835 Southern Building  
Washington, DC 20005

American Astronomical Society  
211 FitzRandolph Rd.  
Princeton, NJ 08540

American Chemical Society  
Education Office  
1155 16th St., N.W.  
Washington, DC 20036

American Chiropractic Association  
Department of Education  
2200 Grand Ave.  
Des Moines, IA 50312

American Dental Assistants Association  
211 E. Chicago Ave.  
Chicago, IL. 60611

American Dental Hygienists' Association  
211 E. Chicago Ave.  
Chicago, IL. 60611

American Dental Association  
Council on Dental Education  
211 E. Chicago Ave.  
Chicago, IL. 60611

American Dietetic Association  
620 N. Michigan Ave.  
Chicago, IL. 60611

American Fisheries Society  
Suite 1040, Washington Building  
15th and New York Ave., N.W.  
Washington, DC 20005

American Forestry Association  
919 17th St., N.W.  
Washington, DC 20006

American Geological Institute  
2201 M St., N.W.  
Washington, DC 20037

American Home Economics  
Association  
1600 20th St., N.W.  
Washington, DC 20009

American Hospital Association  
840 N. Lake Shore Drive  
Chicago, IL. 60611

American Institute of  
Aeronautics and Astronautics  
1290 Sixth Ave.  
New York, NY 10019

American Institute of Architects  
1735 New York Ave., N.W.  
Washington, DC 20006

American Institute of Nutrition  
9650 Rockville Pike  
Bethesda, MD 20014

American Institute of Physics  
335 E. 45th St.  
New York, NY 10017

American Legion  
Box 1055  
Indianapolis, IN 46206

American Medical Association  
535 N. Dearborn St.  
Chicago, IL. 60610

\*Orders for sales publications from associations marked \* must be prepaid, except for those on official purchase order forms. Shipping and handling charges will be added to billed orders.



## ADDRESSES (continued)

American Meteorological Society  
45 Beacon St.  
Boston, MA 02108

American Optometric Association, Inc.  
7000 Chippewa St.  
St. Louis, MO. 63119

American Orthotic and Prosthetic  
Association  
1440 N St., N.W.  
Washington, DC 20005

American Paper Institute  
260 Madison Ave.  
New York, NY 10016

American Personnel and Guidance Association  
1607 New Hampshire Ave., N.W.  
Washington, DC 20009

American Public Health Association, Inc.  
Book Service  
1740 Broadway  
New York, NY 10019

American Osteopathic Association  
212 E. Ohio St.  
Chicago, IL. 60611

American Petroleum Institute  
1271 Avenue of the Americas  
New York, NY 10020

American Pharmaceutical Association  
2215 Constitution Ave., N.W.  
Washington, DC 20037

American Physical Therapy  
Association  
1156 15th St., N.W.  
Washington, DC 20005

American Physiological Society  
9650 Rockville Pike  
Bethesda, MD 20014

American Podiatry Association  
20 Chevy Chase Circle  
Washington, DC 20015

American Society for Engineering Education  
Suite 400  
One Dupont Circle  
Washington, DC 20036

American Society for Metals  
Metals Park, OH 44073

American Society for Microbiology  
1913 Eye St., N.W.  
Washington, DC 20006

American Society for Pharmacology and  
Experimental Therapeutics  
9650 Rockville Pike  
Bethesda, MD 20014

American Society of Agricultural Engineer-  
Box 229  
Saint Joseph, MI 49085

American Society of Plant Physiologists  
Box 5706  
Washington, DC 20014

American Society of Radiologic Technol-  
ogists  
645 N. Michigan Ave.  
Chicago, IL. 60611

American Society of Range Management  
Executive Secretary  
2120 S. Birch St.  
Denver, CO 80222

American Society of Zoologists  
Box 2739  
California Lutheran College  
Thousand Oaks, CA 91360

American Statistical Association  
806 15th St., N.W.  
Washington, DC 20005

American Technical Society  
848 E. 58th St.  
Chicago, IL. 60637

American Veterinary Medical Association  
Department of Public Information  
600 S. Michigan Ave.  
Chicago, IL. 60605

Archaeological Institute of America  
260 W. Broadway  
New York, NY 10013

Barron's Educational Series, Inc.  
113 Crossways Park Drive  
Woodbury, NY 11797

ADDRESSES (continued)

Bausch & Lomb  
Science Award Committee  
Rochester, NY 14602

Bell & Howell Schools  
4141 Belmont Ave.  
Chicago, IL 60641

Bellman Publishing Company  
Box 172  
Cambridge, MA 02138

B'nai B'rith Vocational Service  
1640 Rhode Island Ave., N.W.  
Washington, DC 20036

William C. Brown Company  
Publishers  
135 S. Locust St.  
Dubuque, IA 52001

Careers (Career Publications)  
Box 135  
Largo, FL 33540

Changing Times Reprint Service  
Kiplinger Washington Editors  
1729 H. St., N.W.  
Washington, DC 20006

Chronicle Guidance Publications  
Moravia, NY 13118

College of Pharmaceutical Sciences  
Columbia University  
115 W. 68th St.  
New York, NY 10023

Columbia University  
School of Engineering  
& Applied Science  
Columbia University  
New York, NY 10027

Committee on International  
Exchange of Persons  
(Senior Fulbright-Hays Program)  
2101 Constitution Ave. N.W.  
Washington, DC 20418

The John Day Company  
62 W. 45th St.  
New York, NY 10036

Decision/Inc.  
Decision Building  
Batavia, OH 45103

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College Relations  
Midland, MI 48640

E.I. du Pont de Nemours & Company  
Wilmington, DE 19898

E.P. Dutton & Company, Inc.  
201 Park Ave., South  
New York, NY 10003

Eastman Kodak Company  
Education Division  
343 State St.  
Rochester, NY 14650

Electronic Industries Association  
2001 Eye St., N.W.  
Washington, DC 20006

Engineering Manpower Commission  
Engineers Joint Council  
345 E. 47th St.  
New York, NY 10017

Engineers' Council for Professional  
Development  
345 E. 47th St.  
New York, NY 10017

Engineering Opportunities  
2211 Fordem  
Madison, WI 53701

General Motors Corporation  
Public Relations Staff  
Detroit, MI 48202

General Motors Corporation  
Educational Relations Section  
Technical Center  
Warren, MI 48089

Harper & Row, Publishers, Inc.  
49 E. 33rd. St.  
New York, NY 10016

The Institute of International Educa-  
tion  
809 United Nations Plaza  
New York, NY 10017

ADDRESSES (continued)

International Business Machines Corporation  
112 E. Post Rd.  
White Plains, NY 10601

International Programs  
Michigan State University  
East Lansing, MI 48823

International Schools Services  
392 Fifth Ave.  
New York, NY 10018

The Jackson Laboratory  
Assistant Director (Training)  
Bar Harbor, ME 04609

Junior Engineering Technical Society  
(JETS, Inc.)  
United Engineering Center  
345 E. 47th St.  
New York, NY 10017

Leeds & Northrup Company  
Sumneytown Pike  
North Wales, PA 19440

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Box 618  
Indianapolis, IN 46206

Manufacturing Chemists  
Association, Inc.  
1825 Connecticut Ave., N.W.  
Washington, DC 20009

Mathematics and Science Center  
2200 Mountain Rd.  
~~Glenn Allen~~, VA 23060

The Mathematical Association of America  
1225 Connecticut Ave., N.W.  
Washington, DC 20036

Julian Messner, Inc  
Division of Simon & Schuster, Inc.  
1 West 39th St.  
New York, NY 10018

Michigan State University  
Department of Agricultural Engineering  
East Lansing, MI 48823

University of Missouri-Rolla  
Admissions Office  
103 Parker Hall  
Rolla, MO 65401

National Aerospace Education Council  
806 15th St., N.W.  
Washington, DC 20005

National Academy of Sciences, National  
Academy of Engineering, National  
Research Council  
2101 Constitution Ave., N.W.  
Washington, DC 20418

National Association of Chain Drug  
Stores, Inc.  
1911 Jefferson Davis Hwy.  
Arlington, VA 22202

National Association of State  
Universities and Land-Grant Colleges  
Office of Institutional Research  
One Dupont Circle, N.W.  
Suite 710  
Washington, DC 20036

National Council of Teachers of  
Mathematics\*  
1201 16th St., N.W.  
Washington, DC 20036

National Council for the  
Social Studies\*  
1201 16th St., N.W.  
Washington, DC 20036

National Education Association\*  
1201 16th St., N.W.  
Washington, DC 20036

National Environmental Health Associa-  
tion  
1550 Lincoln St.  
Denver, CO 80203

National Health Council, Inc.  
1740 Broadway  
New York, NY 10019

ADDRESSES (continued)

National Landscape Association  
832 Southern Bldg.  
Washington, DC 20005

National League for Nursing, Inc.  
10 Columbus Circle  
New York, NY 10019

National Science Teachers Association\*  
1201 16th St., N.W.  
Washington, DC 20036

National Society of Professional Engineers  
2029 K St., N.W.  
Washington, DC 20006

National Vocational Guidance Association  
1607 New Hampshire Ave., N.W.  
Washington, DC 20009

National Wildlife Federation  
1412 16th St., N.W.  
Washington, DC 20036

New Jersey Engineers' Committee for  
Student Guidance  
Newark College of Engineering  
323 High St.  
Newark, NJ 07102

Northwestern University  
Director, National High School Institute  
in Engineering Science  
Evanston, IL 60201

Oak Ridge Associated Universities  
Box 117  
Oak Ridge, TN 37830

The Ohio State University  
University Publications Sales  
2500 Kenky Rd.  
Columbus, OH 43210

Optical Society of America  
2100 Pennsylvania Ave., N.W.  
Washington, DC 20037

Charles Pfizer & Company, Inc.  
Educational Services Department  
235 E. 42nd St.  
New York, NY 10017

Phillips Academy  
Dean of the Faculty  
Andover, MA 01810

Public Affairs Committee  
381 Park Ave., South  
New York, NY 10016

Purdue University  
Office of the Dean of Engineering  
Lafayette, IN 47907

Registry of Medical Technologists  
710 S. Wolcott Ave.  
Chicago, IL 60612

Richards Rosen Press, Inc.  
29 E. 21st. St.  
New York, NY 10010

Rochester Institute of Technology  
Public Relations Department  
One Lomb Memorial Drive  
Rochester, NY 14623

Science Research Associates  
Guidance Services Department  
259 E. Erie St.  
Chicago, IL 60611

Science Service  
1719 N St., N.W.  
Washington, DC 20036

Scientific Manpower Commission  
2101 Constitution Ave., N.W.  
Washington, DC 20418

Scientists of Tomorrow  
312 E. First St.  
Newburg, OR 97132

Shell Companies Foundation, Inc.  
50 W. 50th St.  
New York, NY 10020

Shell Merit Fellowships  
3 Stone Hall  
Cornell University  
Ithaca, NY 14850

Shell Oil Company  
50 West 50th St.  
New York, NY 10020

ADDRESSES (continued)

Simon & Schuster  
Regents Publishing Company Division  
200 Park Ave., South  
New York, NY 10003

Society of American Florists  
Executive Director  
901 N. Washington St.  
Alexandria, VA 22314

Society of American Foresters  
1010 16th St., N.W.  
Washington, DC 20036

Society of Exploration Geophysicists  
Howard Breck, Executive Secretary  
Box 3098  
Tulsa, OK 74101

Society of Mining Engineers of AIME  
345 E. 47th St.  
New York, NY 10017

Society of Petroleum Engineers  
American Institute of Mining,  
Metallurgical, and Petroleum Engineers  
6300 N. Central Expressway  
Dallas, TX 75206

Society of Technical Writers and Publishers  
1010 Vermont Ave., N.W.  
Washington, DC 20005

Soil Conservation Society of America, Inc.  
7515 Northeast Ankeny Road  
Ankeny, IA 50021

Steck-Vaughn Company  
Box 2028  
Austin, TX 78767

Upjohn Company  
Kalamazoo, MI 49001

Vocational Guidance Manuals, Inc.  
235 E. 45th St.  
New York, NY 10017

Wildlife Management Institute  
709 Wire Bldg.  
Washington, DC 20005

The Wildlife Society  
Suite S-176  
3900 Wisconsin Ave., N.W.  
Washington, DC 20016

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Office of Information  
Washington, DC 20250

Department of the Army  
Office of the Chief of Engineers  
Civilian Personnel Division  
Washington, DC 20314

U.S. Atomic Energy Commission  
Division of Technical Information  
Box 62  
Oak Ridge, TN 37830

U.S. Civil Service Commission  
Washington, DC 20415

Interagency Board of Civil Service  
Examiners  
1900 E. St., N.W., Room 1416  
Federal Job Information Center  
Washington, DC 20415

U.S. Office of Education  
Teacher Exchange Section  
Division of International Exchange and  
Training  
Institute of International Studies  
Washington, DC 20202

Food and Drug Administration  
U.S. Department of Health, Education,  
and Welfare  
Washington, DC 20204

Forest Service  
U.S. Department of Agriculture  
Washington, DC 20250

U.S. Government Printing Office  
Superintendent of Documents  
Washington, DC 20402

U.S. Department of Labor  
Bureau of Labor Statistics  
Washington, DC 20212

U.S. Department of Labor  
Wage and Labor Standards Administra-  
tion  
Women's Bureau  
Washington, DC 20210

ADDRESSES (continued)

National Aeronautics and Space Administration  
Washington, DC 20546

National Bureau of Standards  
Personnel Division  
Washington, DC 20234

National Park Service  
Washington, DC 20240

National Science Foundation  
Assistant Director of Scientific Personnel and Education  
Washington, DC 20550

U.S. Naval Oceanographic Office  
Washington, DC 20390

Peace Corps  
Office of Volunteer Placement  
Washington, DC 20525

The Smithsonian Institution  
Publications Distribution Section  
Washington, DC 20560

# APPLICATION FOR EMPLOYMENT

(PLEASE PRINT)

## PERSONAL DATA

Mr Miss Mrs	Last Name	First Name	Initial	Maiden Name	Social Security Number
Address No.	Street	City	State	Zip Code	Telephone Number Area Code
Date of Birth	Age	Married <input type="checkbox"/> Single <input type="checkbox"/>	Number of Children		Age Range of Children
		Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Separated <input type="checkbox"/>			
Height	Weight	Physical defects or health problems			
Were you ever in our employ?		When?	In what capacity?		
Yes <input type="checkbox"/> No <input type="checkbox"/>					
Are you acquainted with anyone who is or has been in our employ?					Currently <input type="checkbox"/> Yes
Yes <input type="checkbox"/> No <input type="checkbox"/> If so, name					Employed? <input type="checkbox"/> No
Have you ever been convicted of any crime? Yes <input type="checkbox"/> No <input type="checkbox"/>		Have your wages ever been garnished? Yes <input type="checkbox"/> No <input type="checkbox"/>	What position		
			Primary Alternate		
Military Service	Branch of Service	Dates of Service	Type of Discharge	Current Draft Status	Reserve Status <input type="checkbox"/> None
Yes <input type="checkbox"/> No <input type="checkbox"/>		From to	<input type="checkbox"/> Honorable <input type="checkbox"/> Other		<input type="checkbox"/> Active <input type="checkbox"/> Inactive
Husband or Wife's Name			Occupation	Employer	
In case of emergency whom should we notify?			Relationship	Telephone	

## EDUCATIONAL DATA

Are you a graduate of high school?	If no, how many years attended	Name of high school
Yes <input type="checkbox"/> No <input type="checkbox"/>		
Years of college	Name of college	Trade or special schools

## PROFESSIONAL DATA

(Professional personnel complete the following)

Graduate of (nursing or professional school)	Address	Year
Have you had any post graduate work?	Where?	
Yes <input type="checkbox"/> No <input type="checkbox"/>		
Special schools attended	Registered in Missouri	Pending
	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
		Member of Third Dist.
		Yes <input type="checkbox"/> No <input type="checkbox"/>
License No.	Member of Professional Organization	

## EMPLOYMENT DATA

Are you willing to work any shift?	Do you only want to work a specific shift?	If Yes, what shift?			
Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Day <input type="checkbox"/> Rotating <input type="checkbox"/> Evening <input type="checkbox"/> Night <input type="checkbox"/>			
Will you work	Are you willing to work weekends and/or holidays?		When will you be available for employment?		
<input type="checkbox"/> Full Time <input type="checkbox"/> Part Time	Yes <input type="checkbox"/> No <input type="checkbox"/>				
Are you willing to submit to periodic physical examinations?	Type of work desired			Salary expected	
Specialized hospital experience					
Specialized office experience					
Additional work experience					
Please give two character reference* (do not give relatives or former supervisors)					Phone Number
1. Address					
2. Address					Phone Number

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(Starting with your present or last employment, please answer all questions)

<b>1</b>	Name of Employer	Address			Phone Number	
	Your Job Title	Starting Date	Starting Salary	Date Left	Ending Salary	
	Reason for Leaving	Supervisor's Name		Supervisor's Title	May be contacted Yes ( ) No ( )	
<b>2</b>	Name of Employer	Address			Phone Number	
	Your Job Title	Starting Date	Starting Salary	Date Left	Ending Salary	
	Reason for Leaving	Supervisor's Name		Supervisor's Title	May be contacted Yes ( ) No ( )	
<b>3</b>	Name of Employer	Address			Phone Number	
	Your Job Title	Starting Date	Starting Salary	Date Left	Ending Salary	
	Reason for Leaving	Supervisor's Name		Supervisor's Title	May be contacted Yes ( ) No ( )	

### MAJOR CONDITIONS OF EMPLOYMENT

Please read these conditions and sign the certification statement below.

1. In order to meet the needs of patients for 24-hour-a-day, seven-day-a-week care, employees must agree to perform work over a period of 14 successive days (80 hours at 8 hours per day) before qualifying for overtime compensation and must be willing to accept changes in shifts and days when necessary.
2. Employment is contingent on passing a physical examination by a physician in the Employee Health Service. Any health condition which may cause hazard to yourself or others on the job must be reported and shall be good cause for terminating your employment at DEACONESS HOSPITAL with cause.
3. Any false, misleading or omitted material facts which you write on DEACONESS HOSPITAL forms are good cause for terminating your employment with cause.
4. If your qualifications meet the minimum requirements for a vacant position, you will be referred to the appropriate department for an employment decision. When this decision has been made, you will return to the Personnel Office to be processed for hiring, consideration for other positions, or your application will be placed on file for future consideration.
5. This application will be retained for six months. If you wish to be considered thereafter, you will be required to reapply for employment with an up-dated application.
6. If you are employed as a full-time employee, you will be required to enroll in a group term insurance plan after three months of employment. The amount of the insurance will be approximately your annual salary. You, along with the hospital, will contribute to the cost of this insurance on a basis to be determined by DEACONESS HOSPITAL.
7. You grant permission for the authorities of this hospital to investigate your references and release said hospital from any and all liability resulting from such investigation. Upon your termination you authorize the release of reference information on your work.
8. DEACONESS HOSPITAL is an Equal Opportunity Employer and will not discriminate on the basis of race, creed, color, national origin or ancestry.

**CERTIFICATION:** I have read and agree to the conditions of employment stated on this application.

\_\_\_\_\_  
Applicant

\_\_\_\_\_  
Date

PLEASE DO NOT WRITE BELOW THIS LINE

Date Employed \_\_\_\_\_ Department \_\_\_\_\_

Job \_\_\_\_\_ Beginning Salary \_\_\_\_\_ Authorized \_\_\_\_\_

Remarks \_\_\_\_\_